

SAAF™ Air Purification Systems

Recirculation Unit and Pressurization and Recirculation Unit

STAND-ALONE COMPLETE AIR PURIFICATION SYSTEMS



- Recirculate and clean the air in a controlled environment; suitable for in-room use or sheltered outdoor installation.
- Combines particulate filters, gas-phase cassettes, and high efficiency filters to create total clean air solutions; removes both airborne particulate and gaseous contaminants.
- Patent-pending SAAF Seal provides the best seal available and superior filtration efficiency.
- Designed with internal variable speed fan (electronically commutated) and media combinations to meet your specific application requirements.
- Insulated double-wall construction provides whisper-quiet operation.
- Easy installation, operation, and maintenance in a totally self-contained system.
- Sliding Fan Tray Design provides easy access and servicing of fan.
- Hinged Instrument Panel provides easy access and servicing of gauges, disconnect, and speed control.
- Return Air Grilles for Pressurization and Recirculation Units are single deflection grilles with dampers to provide control of recirculation air.
- Supply Air Grilles are double deflection to provide maximum control of air pattern for spread and deflection in two planes.

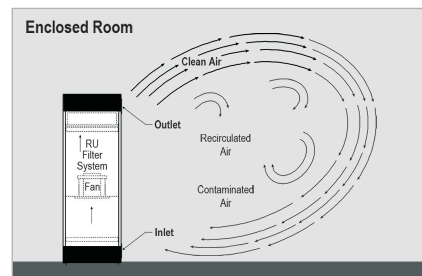
Patent-pending Sealing System Prevents Filter Bypass

SAAF Air Purification Systems are uniquely designed to hold and securely seal SAAF Cassettes. AAF's patent-pending SAAF Seal High Integrity Sealing System prevents bypass of unfiltered air. Cassettes and filters are locked in place by a combination of cassette notches and cassette locator bars. Designed to maintain optimal positioning of the cassettes, the locator bar compresses the cassette into the sealing gasket. This unique system is completely effective and ensures exceptional filter efficiency.

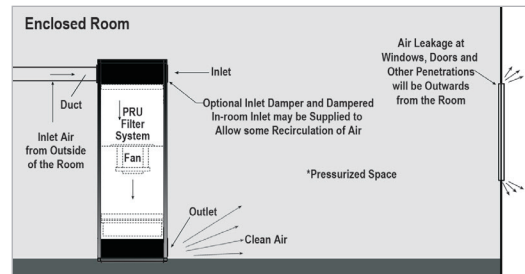
Clean Contaminated Air From Within or Outside

SAAF Air Purification Systems are designed to support SAAF chemical media cassette filters, prefilters and after-filters, and high efficiency particulate filters in one self-contained stand-alone unit. The units are designed for optimal removal of gaseous and particulate contaminants from outdoor and indoor air.

SAAF™ Recirculating Unit draws contaminated air from a room; cleans the air; and then returns the cleaned air back into the room.

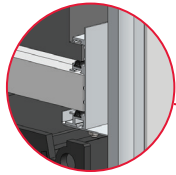


SAAF™ Pressurization and Recirculation Unit draws air from both outside and inside the room. The unit cleans the mixture of outdoor and indoor air and discharges it back into the room, causing a positive pressure. This positive pressure forces air to leave the room, preventing infiltration of outside contaminants.

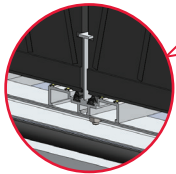


SAAF™ Air Purification Systems

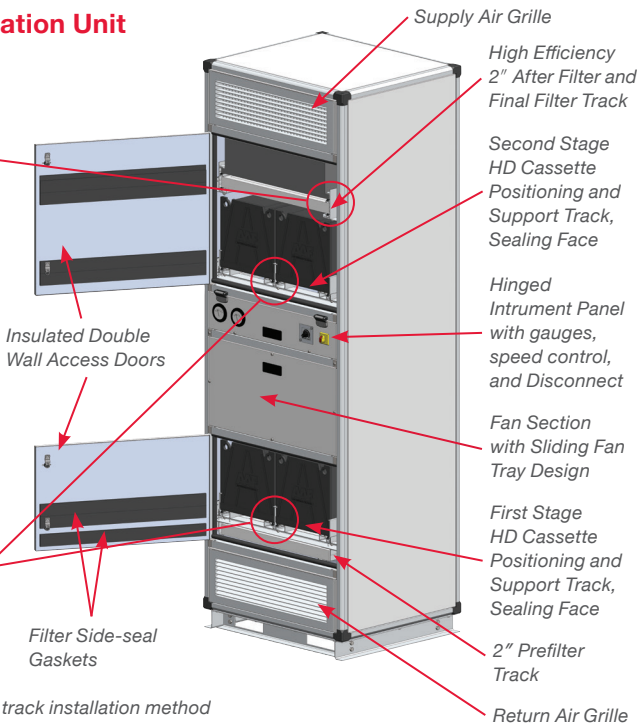
SAAF Recirculation Unit



After-filter and final-filter tracks are constructed of extruded aluminum and hold 2" after-filters and 1" header-style high efficiency filters respectively.



AAF's "quick release" track installation method provides trouble-free filter installations and changeouts. Precise connections between support tracks and the track support post ensure accurate filter spacing for superior efficiency.



The cassette support track is constructed of extruded aluminum.

Product Model Designations

The SAAF models are designated as follows:

Model Configuration Intakes Prefilter Cassette Stage 1 Fan Section Cassette Stage 2 After Filter and Final Filter Discharge
PRU - 500VU - OAFc - RGD - 2P - HD - F - HD - 2P - 4F - SG

Model	PRU = Pressurization and Recirculation Unit with outside air/recirculated air combination (Up to 50% of total flow as outdoor air)
	RU = Recirculation Unit for air purification of the required space.
Configuration	Airflow Sizes = 500, 1000, 1500, 2000, 4000
	Type H = Horizontal V = Vertical
	Airflow Direction U = Upflow (bottom intake) D = Downflow (top air intake)
Intakes for PRU Units only	OAFc = Outside Air Flanged Collar OARc = Outside Air Round Collar RG = Return Grille RGD = Return Grille with manual damper for adjustment of return air intake.

Supply Air Grille
 High Efficiency 2" After Filter and Final Filter Track

Second Stage HD Cassette
 Positioning and Support Track, Sealing Face

Hinged Instrument Panel with gauges, speed control, and Disconnect

Fan Section with Sliding Fan Tray Design

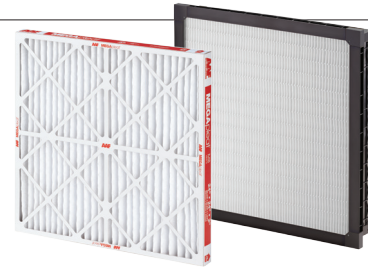
First Stage HD Cassette
 Positioning and Support Track, Sealing Face

2" Prefilter Track

Return Air Grille

Insulated Double Wall Access Doors

Filter Side-seal Gaskets



Prefilters High Efficiency Final Filters

MEGApleat® M8 filters are ideal MERV 8 prefilters used to prevent the buildup of lint and dust on the face of the SAAF cassettes and high efficiency filters.

VariCel® 2+HC extended surface pleated final filters (MERV 15, 14, and 11) are the perfect choice for high efficiency particulate removal. VariCel 2+HC filters boast a compact 6"-deep filter design while maintaining the same media area and performance as 12"-deep filters.

Brochures AFP-1-243, AFP-1-180

Chemical Media Cassettes

SAAF Air Purification Systems are designed to hold SAAF Heavy Duty chemical media cassette filters.

Brochure: GPF-1-109



AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

ISO Certified Firm
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